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TO : The Files

DATE: 31 July 1957

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FROM :

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SUBJECT: RD-128, QRF with

DCG	8	REV DATE	6 MAY 1957	BY	018373
ORIG COMP	033	OPI	56	TYPE	02
ORIG CLASS	5	PAGES	2	REV CLASS	C
JUST	22	NEXT REV	2010	AUTH:	HR 70-2

1. The writer visited [] on 19 July 1957 for the purpose of monitoring progress on Work Order #4, 6 and 8. Each job was discussed with the responsible design engineer and/or the QRF project engineer. This report describes the status of each work order. 50X1

Work Order #4 Video Recorder (VR-4) - The latest model of the VR-4, which includes improved amplifier battery contacts was received for Agency testing. The company has built three engineering models of the VR-4 which have been continually submitted for approval and rejected since the middle of April. In each case the unit was rejected primarily because of the noise level in either the video amplifier or the audio amplifier, or both. This latest unit including the following changes represents the company's final effort to satisfy our specifications.

Change #1 - The cover will be hinged at the inside top edge of the rear of the case rather than at the outside center. The latch will be changed to a neater appearing and smoother working type.

Change #2 - A filler pad will be supplied to compensate for the smaller size of one of the two batteries which will be used with the unit.

Change #3 - The enamel finish on the engineering model will be changed on the production units to a black anodizing method using a new cobalt dye which produces a more durable finish.

Certain other changes in mechanical design have been discussed with company engineers, however, the company feels that such modification would constitute a change in scope from the existing work order, and has submitted drawings and a cost breakdown for the proposed change in scope. The drawings and the company's proposal are attached. The company is awaiting the Agency's decision either to accept the present design or authorize the additional work.

Work Order #6, Antenna Catalog - Section 4 had been completed and was delivered. The company engineer advised that three more sections were in their production department and estimated delivery early in August. He claimed more than 200 different antennas were described in the catalogue, which can be fabricated on order without

Further development or testing ~~CONFIDENTIAL~~~~CONFIDENTIAL~~

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Work Order #7, Measurement and Dish Mounting of Discone Antennas - Phase 1 has been completed which called for the measurement of the 2 to 5 and the 5 to 10 kmc modified disconed antennas with parabolic reflectors and test data has been delivered to SP/EA. The company is waiting further direction on the fabrication of permanent antenna mounts.

Work Order #8, Measurements of Agency Antennas - Measurements have been completed on the first twelve antennas supplied the contractor and all test data has been received. Three additional antennas provided for by Change Order No. 1 are being measured and completion is expected late in August.

Work Order #10, Dual Frequency UHF Converter - The purchased converters have been received and partially tested, tests indicate that these converters are within specifications. Fabrication of the panel and chassis is approximately 25% completed and delivery can be expected within the estimated completion date of 30 September 1957.

Work Order #11, Transistorized Video Amplifier - All purchased parts have been received and mechanical layout has commenced. The amplifier will be approximately 1 inch by $1\frac{1}{2}$ inches by 5 inches in size. Except for the $\frac{1}{4}$ inch protrusion of the input connector all other surfaces will be free of obstruction, the volume control will be mounted in a depression on the side. Since there was some question on the circuitry to be used the fabrication of these amplifiers has only recently started. It is expected that delivery of the contract quantity of 25 amplifiers will be accomplished on or before the estimated completion date of 10 September 1957.

2. Contract renewal action is pending receipt of further requirements and funds from the Supplemental Programs Division. The total funds obligated for FY 57 amounted to \$140,033.47 of this amount, approximately \$122,600 was expended or roughly 87.5%. The contract was accepted and signed on 12 November 1957 and therefore, was active 65% of the year.

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